## **EAST Search History**

| Ref#         | Hits | Search Query  | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|--------------|------|---|--|---------------------|---------|---------------------|
| L1           | 1    | "4865630".PN.   | US-PGPUB;<br>USPAT; USOCR                          | NEAR                | ON      | 2009/06/22<br>11:34 |
| S1           | 2    | "6228800".PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | NEAR                | OFF     | 2009/06/15<br>12:31 |
| S2           | 2    | "6013173".PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | NEAR                | OFF     | 2009/06/15<br>12:31 |
| S3           | 1    | "10585516"  | US-PGPUB;<br>USPAT; USOCR                          | NEAR                | OFF     | 2009/06/15<br>13:17 |
| <del>3</del> | 21   | "20020068843".PN.   "7453017".PN.   "5063194".PN.   "4762956".PN.   "4404124".PN.   "4126645".PN.   "4001344".PN.   "3821323".PN.   "3549720".PN.   "3116342".PN.   "3113980".PN.   "3068303".PN.   "2946829".PN.   | US-PGPUB;<br>USPAT; USOCR                          | NEAR                | OFF     | 2009/06/15<br>16:06 |
| 55<br>       | (A)  | ("20020068843".PN.   "7453017".PN.   "5063194".PN.   "4762956".PN.   "4404124".PN.   "4126645".PN.   "4001344".PN.   "3821323".PN.   "3549720".PN.   "3116342".PN.   "3113980".PN.   "3068303".PN.   "2946829".PN.   "2999578".PN.) AND (fill OR filled OR filling) | US-PGPUB;<br>USPAT; USOCR                          | NEAR                | ON      | 2009/06/15<br>16:34 |

| S6      | 14   | ("20020068843".PN.  <br>"7453017".PN. | US-PGPUB;<br>USPAT; USOCR               | NEAR        | ON  | 2009/06/15<br>16:43 |
|---------|------|---------------------------------------|---|-------------|-----|---------------------|
|         |      | "5063194".PN.  <br>"4762956".PN.      | , |             |     |                     |
|         |      | "4404124".PN.                         |   |             |     |                     |
|         |      | "4126645".PN.                         |   |             |     |                     |
|         |      | "4001344".PN.                         |   |             |     |                     |
|         |      | "3821323".PN.                         |   |             |     |                     |
|         |      | "3549720".PN.                         |   |             |     |                     |
|         |      | "3116342".PN.                         |   |             |     |                     |
|         |      | "3113980".PN.                         |   |             |     |                     |
|         |      | "3068303".PN.                         |   |             |     |                     |
|         |      | "2946829".PN.                         |   |             |     |                     |
|         |      | "2909578".PN.) AND (palladium)        |   |             |     |                     |
| S7      | 1    | "6013173".PN.                         | US-PGPUB;                               | NEAR        | OFF | 2009/06/15          |
| ,       |      |                                       | USPAT; USOCR                            |             |     | 16:48               |
| S8      | 73   | (fill OR filled OR filling) palladium | US-PGPUB;<br>USPAT; USOCR               | NEAR        | OFF | 2009/06/15<br>16:53 |
| S9      | 2673 | (fill OR filled OR filling)           | US-PGPUB;                               | NEAR        | ON  | 2009/06/15          |
|         |      | AND (coated OR outer                  | USPAT; USOCR                            |             |     | 16:57               |
|         |      | surface) WITH                         |   |             |     |                     |
|         |      | palladium                             |   |             |     |                     |
| S10     | 924  | (fill OR filled OR filling            | US-PGPUB;                               | NEAR        | ON  | 2009/06/15          |
|         |      | OR plug OR block OR                   | USPAT; USOCR                            |             |     | 16:59               |
|         |      | load) WITH (substrate                 |   |             |     |                     |
|         |      | OR pore) AND (coated                  |   |             |     |                     |
|         |      | OR outer surface)                     |   |             |     |                     |
| [       |      | WITH palladium                        |   |             |     |                     |
| S11     | 18   | "349926"                              | DERWENT                                 | NEAR        | OFF | 2009/06/15          |
|         |      | . ,                                   |   |             |     | 17:18               |
| S12     | 1    | "4349926"                             | DERWENT                                 | NEAR        | OFF | 2009/06/15          |
|         |      |                                       |   |             |     | 17:19               |
| S13     | 0    | 04-349926                             | JPO; DERWENT                            | NEAR        | OFF | 2009/06/15          |
|         |      |                                       |   |             |     | 17:22               |
| S14     | 0    | JP04-349926                           | JPO; DERWENT                            | NEAR        | OFF | 2009/06/15          |
|         |      |                                       | ******                                  |             |     | 17:22               |
| S15     | 0    | JP 04-349926                          | JPO; DERWENT                            | NEAR        | OFF | 2009/06/15          |
|         |      |                                       |   |             |     | 17:22               |
| S16     | 44   | "126105"                              | JPO; DERWENT                            | NEAR        | OFF | 2009/06/15          |
|         |      |                                       | ,                                       |             |     | 17:22               |
| S17     | 3    | palladium film                        | DERWENT                                 | NEAR        | ON  | 2009/06/15          |
|         |      | membrane                              |   |             |     | 17:24               |
| S18     | 507  | palladium AND film                    | DERWENT                                 | NEAR        | ON  | 2009/06/15          |
| 5.0     | 00,  | AND membrane                          |   |             |     | 17:25               |
| S19     | 174  | palladium WITH film                   | DERWENT                                 | NEAR        | ON  | 2009/06/15          |
| (O) (O) | §1/7 | AND membrane                          |   | \$1 VL-71 1 | OIV | 17:26               |

| S20 | 39   | (YOSHIYUKI NEAR2<br>TAKEUCHI).IN.  | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/15<br>18:16 |
|-----|------|--|---------------------------|------|----|---------------------|
| S21 | 48   | hydrogen gas<br>separation membrane  | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/15<br>18:23 |
| S22 | 34   | hydrogen gas<br>separation membrane<br>AND palladium   | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/15<br>18:23 |
| S23 | 7    | hydrogen gas<br>separation membrane<br>AND palladium AND tin   | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/15<br>18:25 |
| S24 | 6105 | palladium AND ((tin<br>chloride) OR "SnCI.<br>sub.2")  | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/16<br>11:19 |
| S25 | 3277 | substrate AND<br>palladium AND ((tin<br>chloride) OR "SnCl.<br>sub.2")   | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/16<br>11:19 |
| S26 | 15   | "96/11".ccls. AND palladium AND ((tin chloride) OR "SnCl. sub.2")  | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/16<br>11:31 |
| S27 | 2128 | palladium AND ((tin<br>chloride) OR "SnOl.<br>sub.2") AND (fill OR<br>filled OR filling)   | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/16<br>12:00 |
| S28 | 1830 | palladium AND ((tin<br>chloride) OR "SnCI.<br>sub.2") AND (fill OR<br>filled OR filling) AND<br>(gel OR sol OR<br>precipitate OR silica)                       | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/16<br>12:02 |
| S29 | 263  | palladium AND ((tin<br>chloride) OR "SnCI.<br>sub.2") AND (fill OR<br>filled OR filling) SAME<br>(gel OR sol OR<br>precipitate OR silica)                      | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/16<br>12:03 |
| S30 | 56   | palladium AND ((tin<br>chloride) OR "SnCl.<br>sub.2") AND "Pdcl.<br>sub.2" AND (fill OR<br>filled OR filling) SAME<br>(gel OR sol OR<br>precipitate OR silica) | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/06/16<br>12:05 |

| <b>S</b> 31 | 27   | palladium AND ((tin<br>chloride) OR "SnCl.<br>sub.2") AND "Pdcl.<br>sub.2" AND (fill OR<br>filled OR filling) SAME<br>(gel OR sol OR<br>precipitate OR silica)<br>AND (wash OR rinse OR<br>cleanse OR clean) | US-PGPUB;<br>USPAT; USOCR | NEAR | ON  | 2009/06/16<br>12:11 |
|-------------|------|--|---------------------------|------|-----|---------------------|
| S32         | 6    | "1362630"  | DERWENT                   | NEAR | ON  | 2009/06/16<br>12:37 |
| S33         | 1    | "6761755".PN.  | USPAT                     | NEAR | ON  | 2009/06/16<br>12:38 |
| S34         | 7    | "1180392"  | DERWENT                   | NEAR | ON  | 2009/06/16<br>12:45 |
| S35         | 1    | "6649559".PN.  | USPAT                     | NEAR | ON  | 2009/06/16<br>12:45 |
| S36         | 52   | electroplating dry   | US-PGPUB;<br>USPAT; USOCR | NEAR | OFF | 2009/06/16<br>19:51 |
| <b>S</b> 37 | 4937 | electroplating SAME<br>(dry OR drying)   | US-PGPUB;<br>USPAT; USOCR | NEAR | OFF | 2009/06/16<br>19:52 |
| S38         | 3412 | electroplating SAME palladium  | US-PGPUB;<br>USPAT; USOCR | NEAR | OFF | 2009/06/16<br>20:07 |
| S39         | 480  | electroplating SAME<br>palladium NEAR6<br>solution   | US-PGPUB;<br>USPAT; USOCR | NEAR | OFF | 2009/06/16<br>20:08 |
| S40         | 513  | electroplating SAME palladium NEAR6 solution   | US-PGPUB;<br>USPAT; USOCR | NEAR | ON  | 2009/06/16<br>20:08 |
| S41         | 1    | electroplating SAME<br>EDTA near6 palladium<br>NEAR6 solution  | US-PGPUB;<br>USPAT; USOCR | NEAR | ON  | 2009/06/16<br>20:09 |
| S42         | 1167 | (electroplating OR plate OR plating) SAME palladium AND (heat OR heating OR heated OR calcined) SAME precipitate   | US-PGPUB;<br>USPAT; USOCR | NEAR | ON  | 2009/06/17<br>10:29 |
| S43         | 387  | (electroplating OR plate<br>OR plating) SAME<br>palladium AND (heat<br>OR heating OR heated<br>OR calcined) SAME<br>precipitate AND (fill OR<br>filled OR filling)   | US-PGPUB;<br>USPAT; USOCR | NEAR | ON  | 2009/06/17<br>10:29 |
| S44         | 0    | remove pore filler   | USPAT                     | NEAR | ON  | 2009/06/17<br>11:23 |

| S45         | 0  | remove pore filler   | US-PGPUB;<br>USPAT; USOCR | NEAR | ON  | 2009/06/17<br>11:23 |
|-------------|----|--|---------------------------|------|-----|---------------------|
| S46         | 69 | (remove OR removing OR dissolving) NEAR3 pore NEAR3 (fill OR filled OR filler) | US-PGPUB;<br>USPAT; USOCR | NEAR | ON  | 2009/06/17<br>11:24 |
| S47         | 1  | "6398926".PN.  | USPAT                     | NEAR | ON  | 2009/06/17<br>15:02 |
| S48         | 24 | ;  | US-PGPUB;<br>USPAT; USOCR | NEAR | ON  | 2009/06/17<br>15:07 |
| S49         | 49 | 1  | US-PGPUB;<br>USPAT; USOCR | NEAR | ON  | 2009/06/17<br>15:07 |
| S50         | 1  | "423/328.1".ccls. AND ((tin chloride) OR "SnCl. sub.2")                        | US-PGPUB;<br>USPAT; USOCR | NEAR | ON  | 2009/06/17<br>15:07 |
| S51         | 1  | (HOU NEAR2 SHOUFU).<br>IN.   | US-PGPUB;<br>USPAT; USOCR | NEAR | OFF | 2009/06/17<br>15:47 |
| S52         | 1  | (JI ANG NEAR2 KUI).IN.   | US-PGPUB;<br>USPAT; USOCR | NEAR | OFF | 2009/06/17<br>15:47 |
| S53         | 1  | (LI NEAR2 WENZHAO).<br>IN.   | US-PGPUB;<br>USPAT; USOCR | NEAR | OFF | 2009/06/17<br>15:47 |
| S54         | 1  | (XU NEAR2<br>HENGYONG).IN.   | US-PGPUB;<br>USPAT; USOCR | NEAR | OFF | 2009/06/17<br>15:47 |
| <b>S</b> 55 | 1  | (YUAN NEAR2 LIXIANG).<br>IN.   | US-PGPUB;<br>USPAT; USOCR | NEAR | OFF | 2009/06/17<br>15:48 |

## 6/22/2009 12:22:57 PM

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